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ABSTRACT

A method for communication includes coupling a first port of a Layer-3 packet router to receive communication traffic from a network, the traffic including packets
5   destined for a target address, which is accessible via a second port of the router. At the router, the packets that are destined for the target address are diverted to a traffic processor via a third port of the router. The diverted packets are processed at the traffic processor,
10   and returning the processed packets to the router via the third port. At the router, the processed packets are conveyed from the third port to the second port for delivery to the target address.